

100

RECEIVING DIAGNOSTIC DATA ABOUT A PATIENT FROM A
DIAGNOSTIC SERVICE PROVIDER, WHEREIN THE DIAGNOSTIC
DATA IS OBTAINED BY PERFORMING A DIAGNOSTIC SERVICE ON
THE PATIENT

102

SENDING THE DIAGNOSTIC DATA TO AN INTERPRETER, WHEREIN
THE INTERPRETER INTERPRETS THE PROCESSED DIAGNOSTIC
DATA TO GENERATE AN INTERPRETATION OF THE DIAGNOSTIC
DATA

104

RECEIVING THE INTERPRETATION FROM THE INTERPRETER

106

TRANSMITTING VIA A NETWORK AT LEAST ONE OF THE
INTERPRETATION AND THE DIAGNOSTIC DATA TO A DISPLAY

108

FIG. 1

Interactions with Patients & Physicians

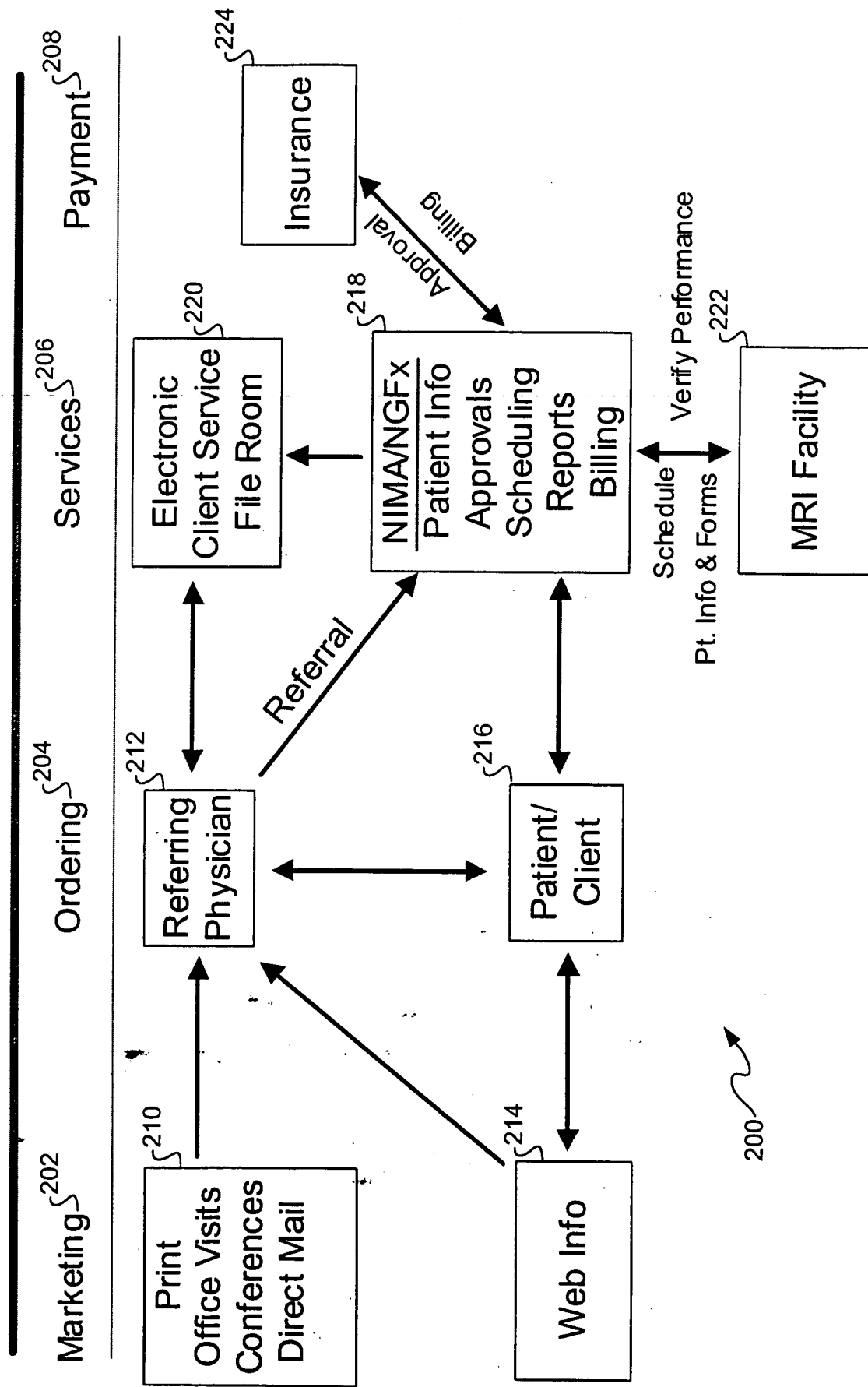


FIG. 2

Image Interpretation Assembly

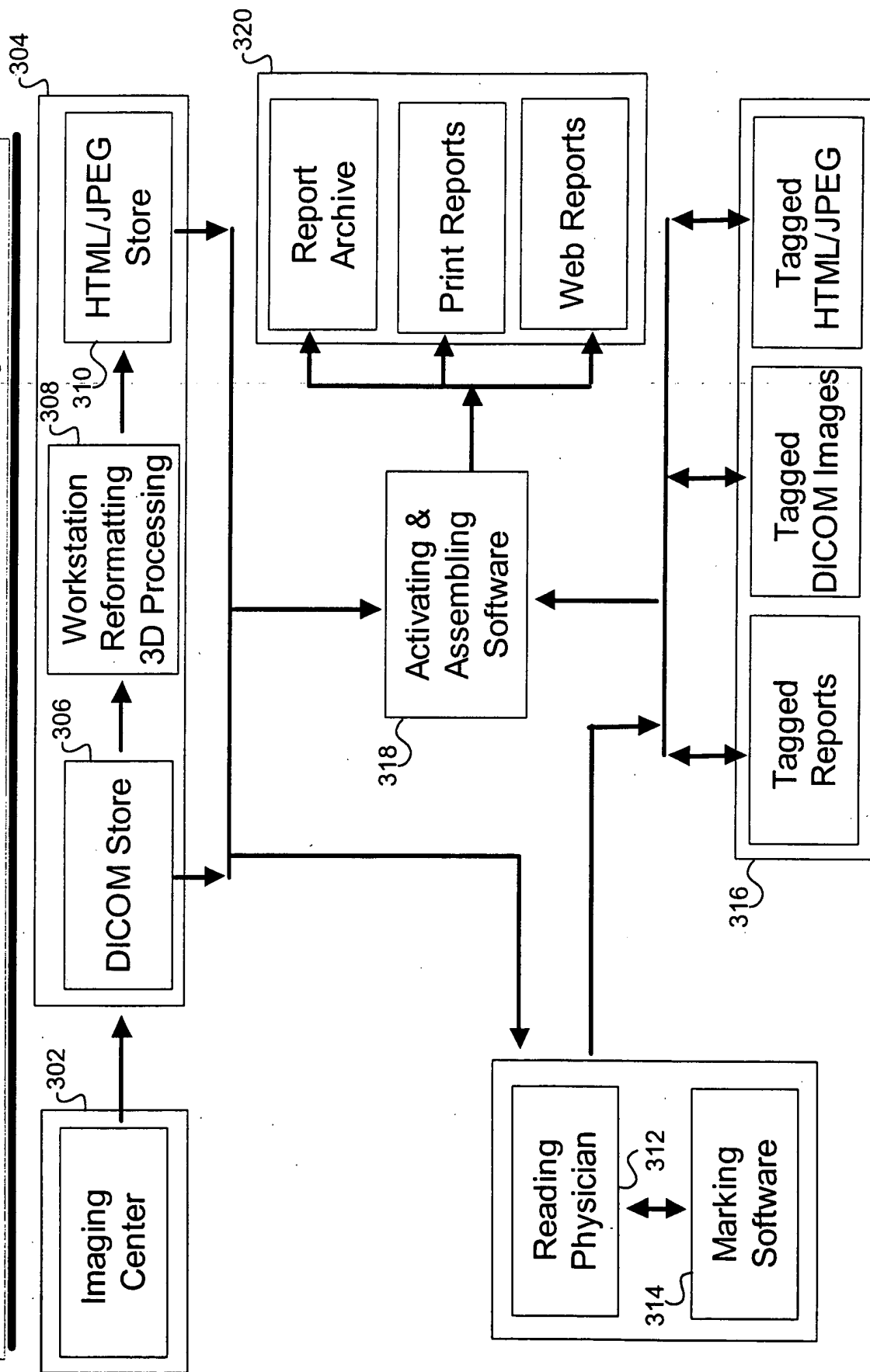


FIG. 3

Operational Workflow

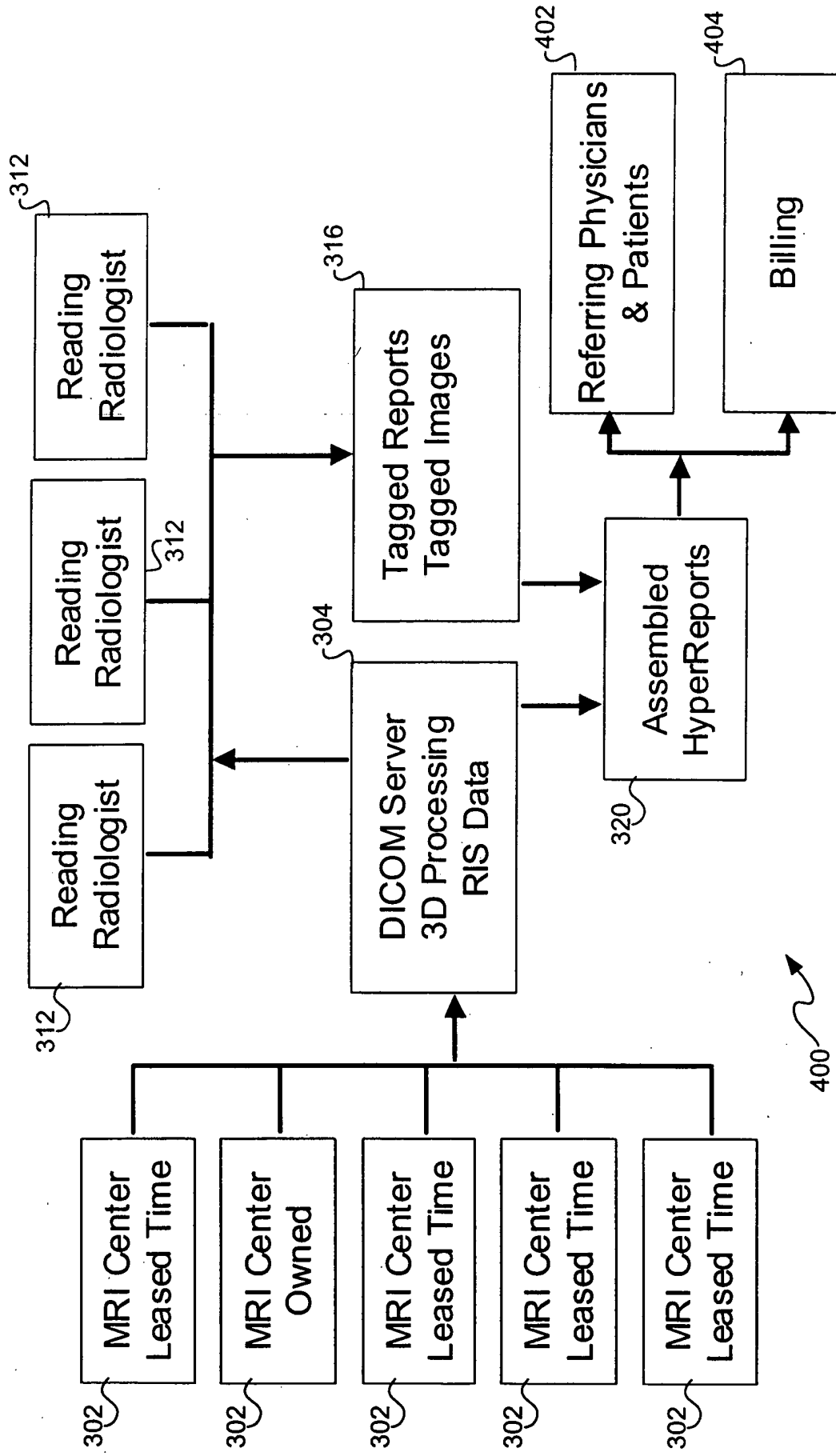


FIG. 4

Administrative Operations

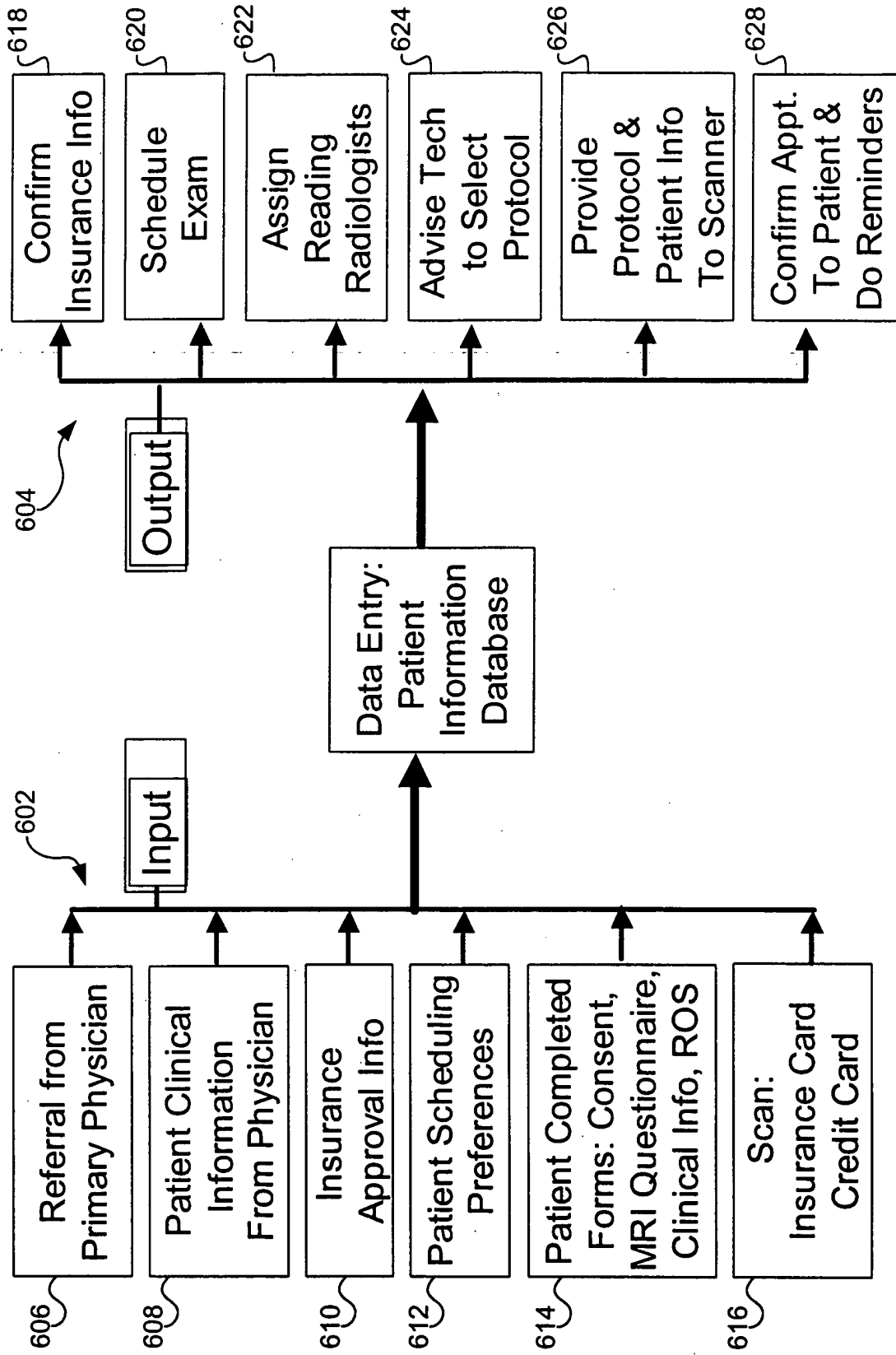


FIG. 6

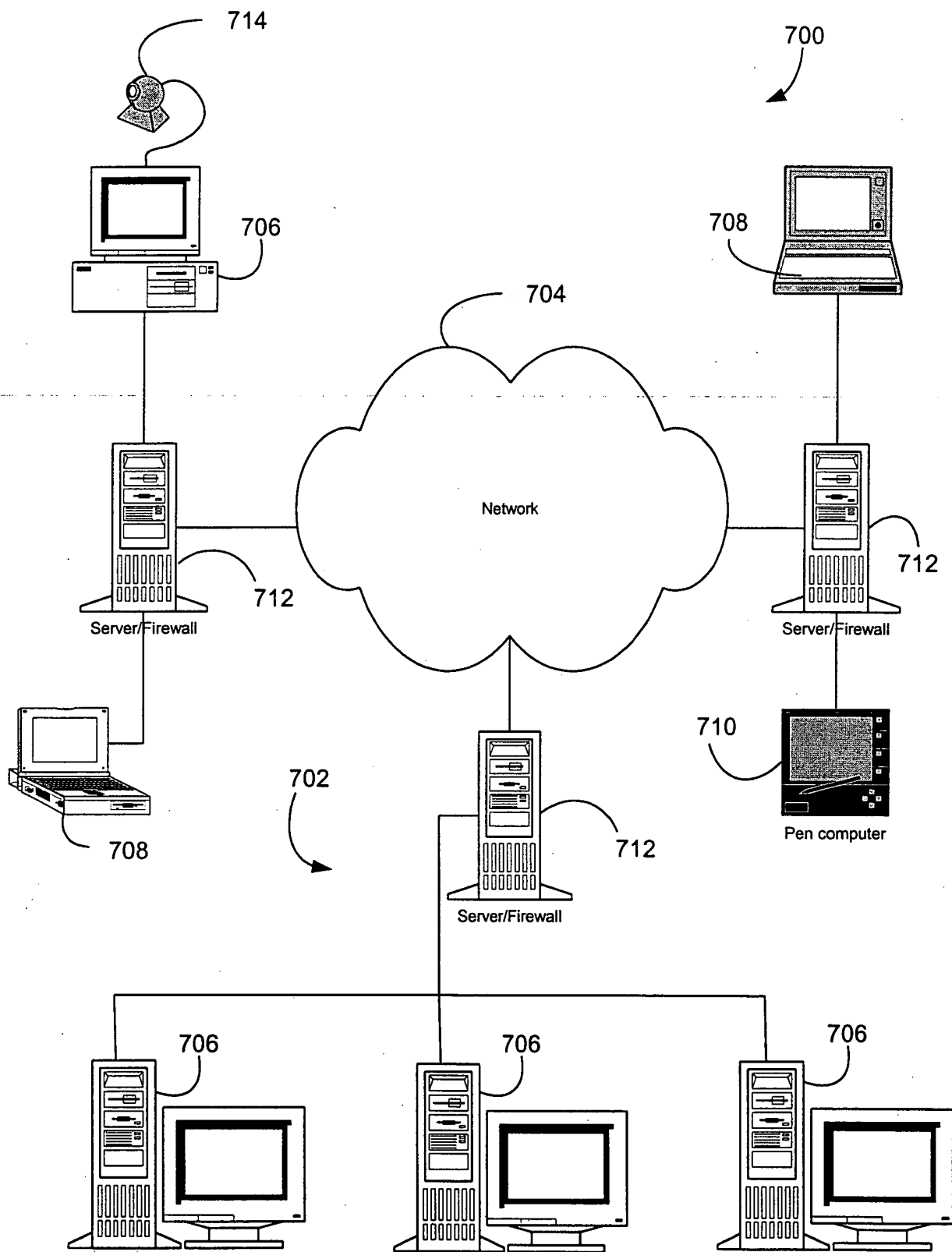


FIG. 7

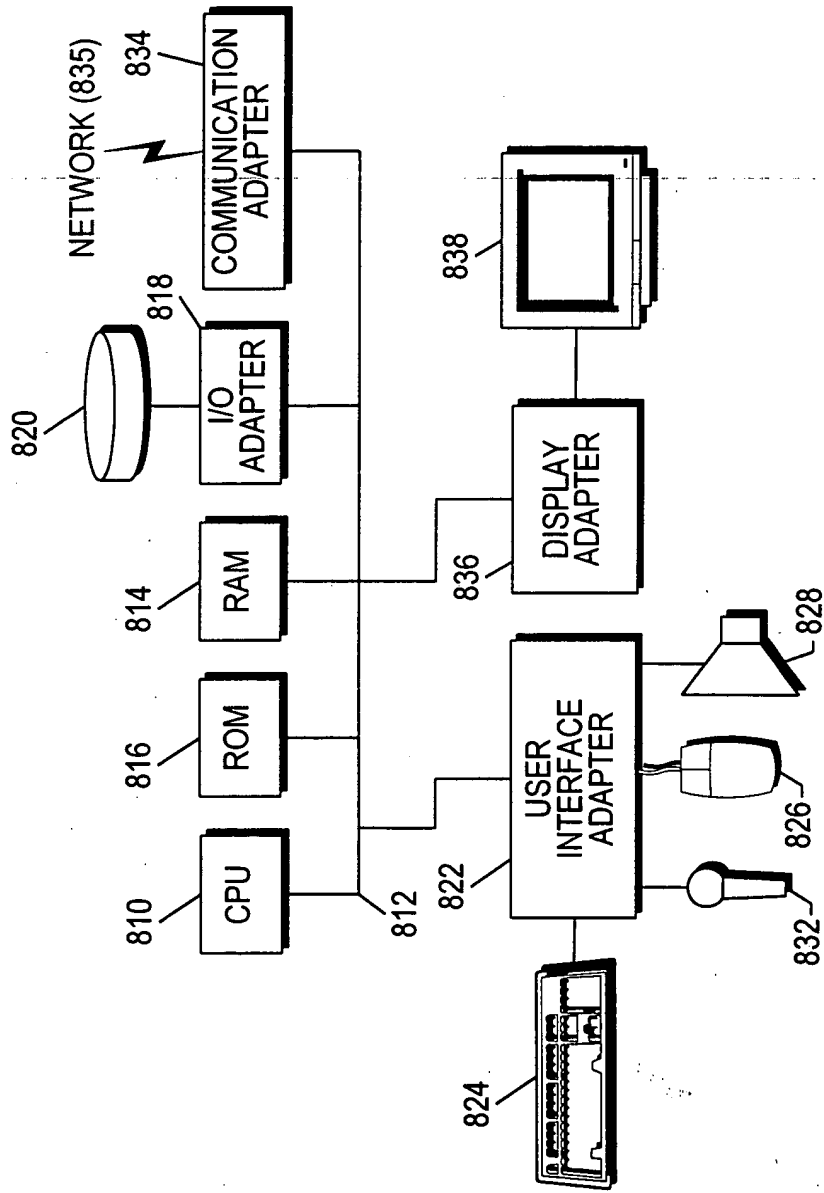
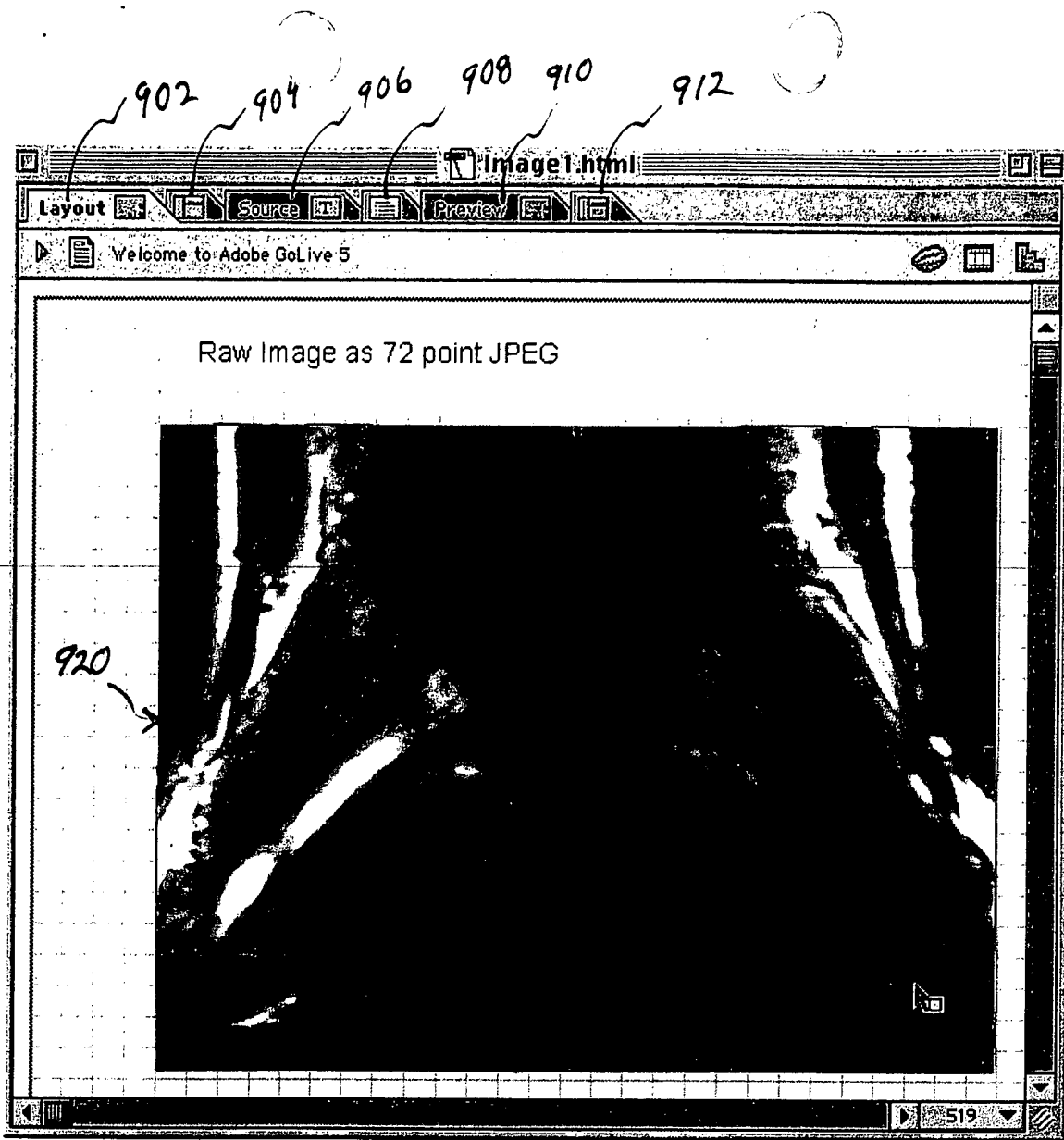


FIG. 8

002222T 63494260



900 ↗

FIGURE 9

902 904 906 908 910 912

Image2.html

Layout Source Preview

JPEG with arrows

Arrow Labelled JPEG

1002

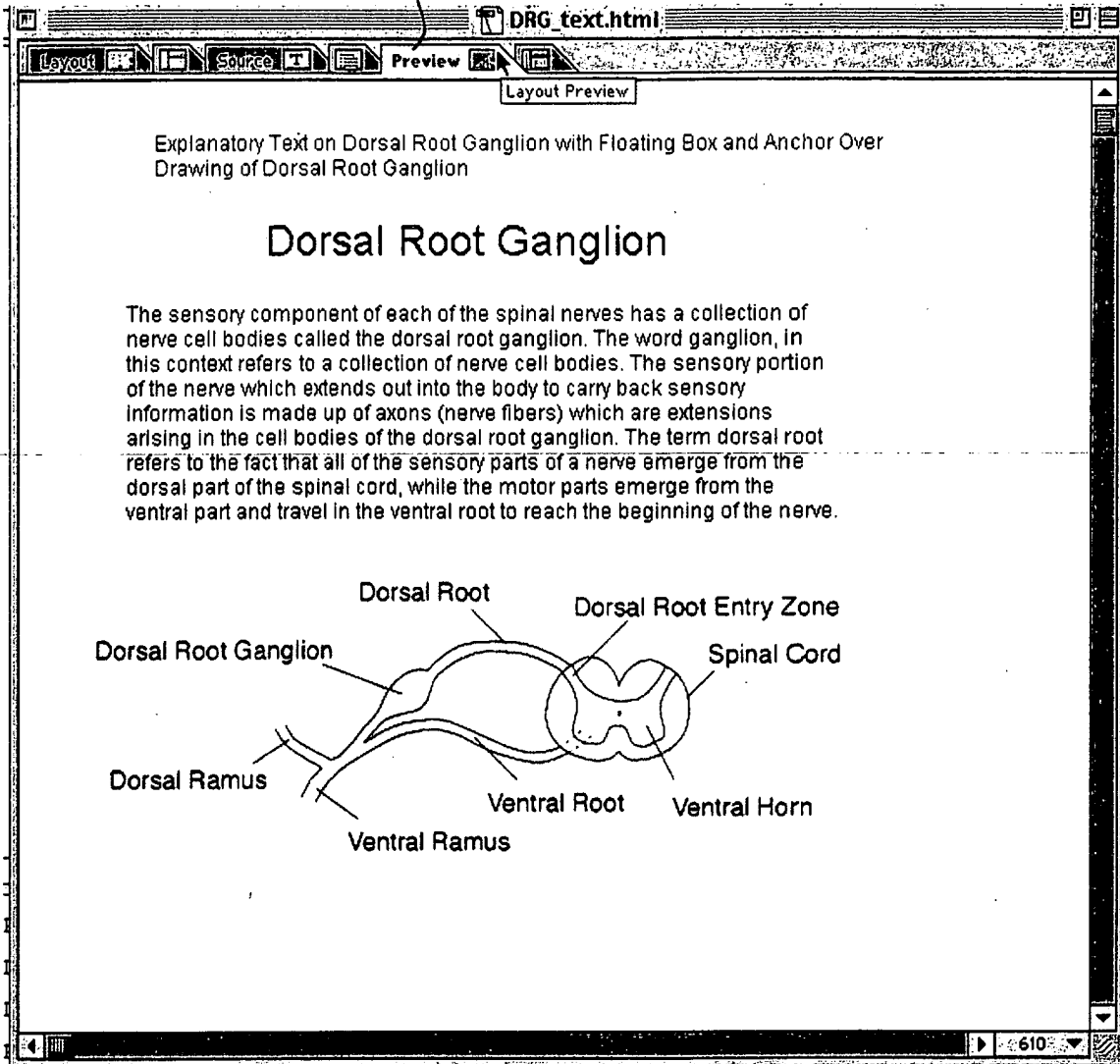
1020

633

1000 ↗

FIGURE 10

910



002331-6249460

1300

FIGURE 13

Interpret.html

Layout Source Preview

Patient: Smith, Joseph

Date of Birth: 5/10/50

Date of Imaging: 11/15/00

Reading Physician: Aaron Filler, MD, PhD

Referring Physician: Tim Wilson, MD

1402

This T2 weighted, chemical shift selected Neurographic image depicts the several cervical spinal nerves in the neck. In this patient the right C6 root is hyperintense. There are no evident abnormalities in any of the cervical spinal nerves on the left side. The pair of opposing arrows on the right side above and below the C7 and C8 spinal nerves depicts a downward deviation of these spinal nerves typical of the findings in a scalene syndrome associated with hypertrophy of the scalene muscle. Additionally, arrows on the left side indicate the positions of the C6 and C7 dorsal root ganglia.

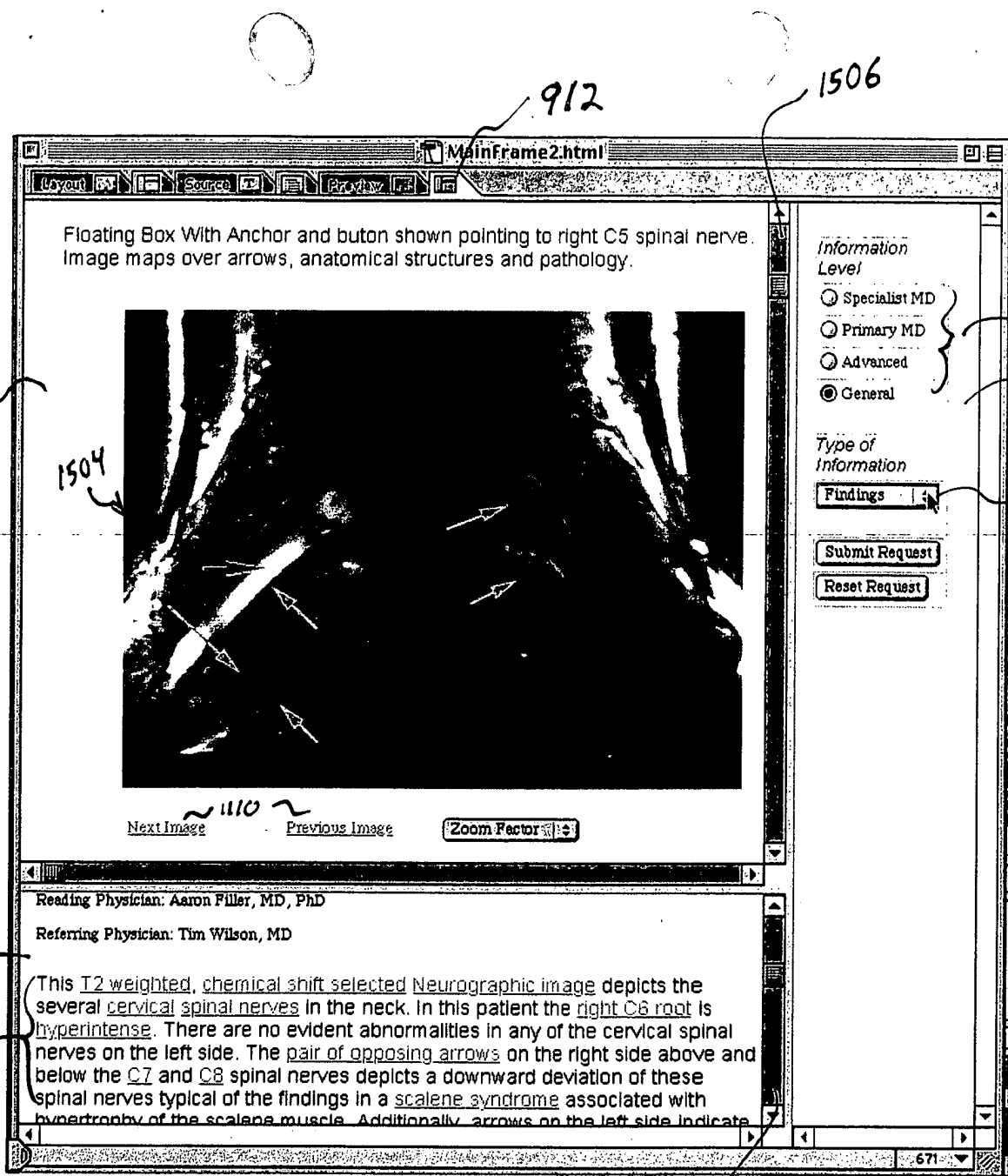
This report includes an electronic water mark. Original printed reports include a paper watermark.

This report includes an electronic water mark. Original printed reports include a paper watermark.

FIGURE 14

Personal information
Name _____
Address _____
City _____ State _____ Zip _____
Phone _____
E-mail _____
Date _____

003337 52494250



1500

1514


FIGURE 15

002233T " 6344444444

MainFrame2.html

Layout Source Preview

Floating Box With Anchor and button shown, pointing to left C7 dorsal root ganglion. Image maps over arrows, anatomical structures and pathology.



Information Level

- ☒ Specialist MD
- ☐ Primary MD
- ☐ Advanced
- ☐ General

Type of Information

Findings

Submit Request

Reset Request

Next Image Previous Image Zoom Factor

Referring Physician: Tim Wilson, MD

1610

This T2 weighted, chemical shift selected Neurographic image depicts the several cervical spinal nerves in the neck. In this patient the right C6 root is hyperintense, which is consistent with radiculopathy. There are no evident abnormalities in any of the cervical spinal nerves on the left side. The pair of opposing arrows on the right side above and below the C7 and C8 spinal nerves depicts a downward deviation of these spinal nerves typical of the findings in a scalene syndrome associated with hypertrophy of the scalene muscle. Additionally, arrows on the left side indicate the positions of the C6 and

692

1800
~
↗

FIGURE 18



1800

FIGURE 18

MainFrame2.html

Layout Source Preview

Floating Box With Anchor and button shown pointing to left C7 dorsal root ganglion. Image maps over arrows, anatomical structures and pathology.

Information Level

- ☐ Specialist MD
- ☒ Primary MD
- ☐ Advanced
- ☐ General

Type of Information

Anatomy

Submit Request

Reset Request

Dorsal Root Ganglion

Dorsal Root

Dorsal Root Entry Zone

Spinal Cord

Ventral Root

Ventral Horn

Dorsal Ramus

Ventral Ramus

780

1900 ↗

FIGURE 19

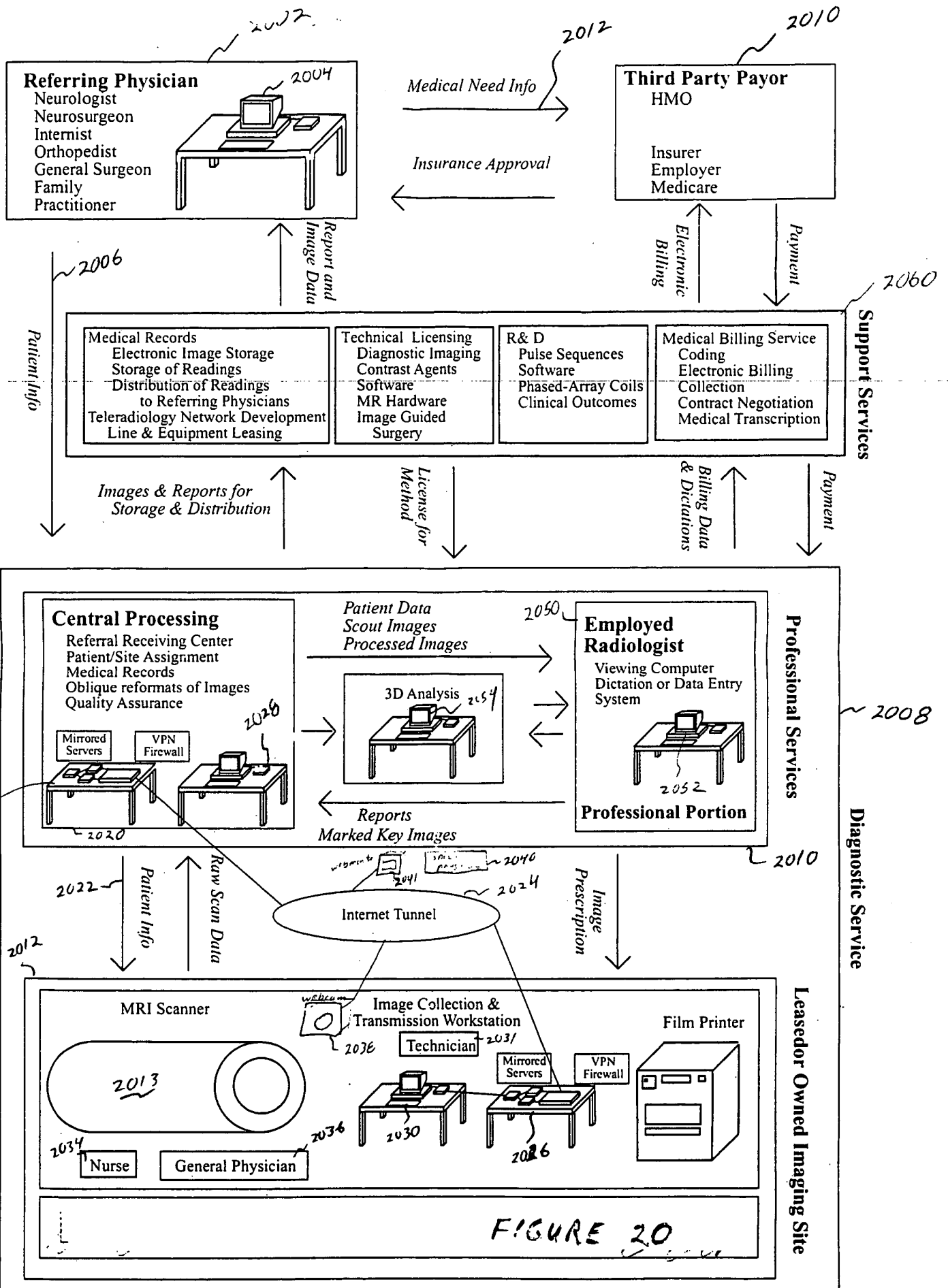


FIGURE 20